ABSTRACT OF THE DISCLOSURE

METHOD AND SYSTEM FOR DYNAMICALLY INVERTING AN ASYMMETRIC DIGITAL SUBSCRIBER LINE (ADSL) SYSTEM

A method for dynamically inverting an Asymmetric Digital Subscriber Line (ADSL) system, which includes a central exchange equipment (CE) connected to a service provider network and a user equipment (UE) connected to a user workstation. The CE transmits high-speed data from the service provider network to the user workstation, and receives medium-speed data from the user workstation. CE coding/decoding means translate the high-speed and medium-speed data. The UE transmits medium-speed data from the user workstation to the service provider network and receives high-speed data from the service provider network. UE coding/decoding means translates the medium-speed data and high-speed data. In response to an inverting request message from the UE, the CE codes medium-speed data and decodes high-speed data. The CE transmits a first message to the UE authorizing reverse mode transmission. In response to the first message, the UE coding/decoding means are activated.